

PROJECT SPECIAL PROVISIONS**ROADWAY****NOTES TO CONTRACTOR:**

The Contractor's attention is directed to the following:

Portable "Road Construction Ahead" signs may be used in lieu of post mounted signs, as directed by the Engineer.

The Standard Specifications, Section 104-5, "Overruns and Underruns of Contract Quantities" is amended to exclude the item of "Borrow Excavation".

The Paved Shoulders shall be resurfaced at the same slope as presently exists.

Prior to resurfacing, the existing pavement markers are to be removed and the depressions filled with an approved surface mix. No direct payment will be made for performing this work. The markers removed will become the property of the contractor.

The Standard Specifications, Section 610-7, "Hauling of Asphalt Mixture" is amended to include the following: "All covers shall extend down over the sides and back of the vehicle body for a distance of 12 inches and shall be securely fastened."

The Standard Specifications, Section 1660-6 (c) "Holding Mulch" is amended to add: "On any section of roadway where traffic is to be maintained or allowed during construction, straw is to be first crimped, then within six feet of the edge of pavement an application of asphalt tack will also be required. Straw mulch to be of sufficient length and quality to withstand the crimping operation and provide adequate ground cover. Crimping equipment including power source shall be subject to the approval of the Engineer providing that maximum spacing of crisper blades shall not exceed eight inches."

Map No.'s 1 and 3, the edge of pavement drop-off will not be allowed to exceed 2 inches.

The Contractor will not be allowed to perform any work on the Primary Systems:

From November 22, 2006 Thru November 26, 2006

SHOULDER RECONSTRUCTION PER SHOULDER MILE:

The work covered by this provision consists, of reconstructing each shoulder (including median shoulders as applicable) in accordance with Roadway Standard Nos. 560.01 and 560.02 except that the rate of slope and width will be as shown on typical section, or to the existing shoulder point, whichever is nearer, as long as the desired typical is achieved. This work shall be performed immediately after the resurfacing operations are complete as directed by the Engineer. As a part of this work, the Contractor will be required to tie from the Typical Section Shoulder

Point to the existing slope at a minimum slope of 4:1 or as directed by the Engineer. **All Shoulder Reconstruction shall be completed prior to placing the Final Surface Layer, unless the Final Surface Layer exceeds 1½", or as directed by the Engineer.**

The Contractor shall furnish all earth material necessary for the construction of the shoulders. The earth material will meet the approval of the Engineer and no testing will be necessary. Prior to adding borrow material, the existing shoulder shall be scarified to provide the proper bond and shall be compacted to the satisfaction of the Engineer

Any excess material generated by the shoulder reconstruction will be disposed of by the Contractor in an approved disposal site.

This work shall be defined as "Shoulder Reconstruction" and the quantity of such work to be paid for will be the actual number of miles of shoulders which have been constructed. Measurement will be made along the surface of each shoulder. Measurement will be made to the nearest 0.01 of a mile.

The quantity of shoulder reconstruction measured as provided above, will be paid for at the contract unit price per shoulder mile for "Shoulder Reconstruction". Any additional earth material furnished by the Contractor will be paid for in accordance with Section 230 of the Standard Specifications for "Borrow Excavation".

PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX: (11-21-00)

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *Standard Specifications* as modified herein.

The base price index for asphalt binder for plant mix is \$369.29 per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on June 1, 2006.

RR 19

INCIDENTAL STONE BASE: (7-1-95) (Rev.7-18-06)

Description

Place incidental stone base on driveways, mailboxes, etc. immediately after paving and do not have the paving operations exceed stone base placement by more than one week without written permission of the Engineer.

Materials and Construction

Provide and place incidental stone base in accordance with the requirements of Section 545 of the *Standard Specifications*.

Measurement and Payment

Incidental Stone Base will be measured and paid for in accordance with Article 545-6 of the *Standard Specifications*.

RR 28

ASPHALT PAVEMENTS – SUPERPAVE: (7-18-06)

Revise the *2006 Standard Specifications* as follows:

Page 6-12, 609-5(C)2(c) add after (AASHTO T 209):

or ASTM D 2041

Page 6-44, 610-8, third full paragraph, replace the first sentence with the following:

Use the 30 foot minimum length mobile grade reference system or the non-contacting laser of sonar type ski *with at least four referencing stations mounted on the paver at a minimum length or 24 feet* to control the longitudinal profile when placing the initial lanes and all adjacent lanes of all layers, including resurfacing and asphalt in-lays, unless otherwise specified or approved.

Page 10-41, Table 1012-1, add the following:

Mix Type	Course Aggregate Angularity ^(b) ASTM D 5821	Fine Aggregate Angularity % Minimum AASHTO T 304 Method A	Sand Equivalent % Minimum AASHTO T 176	Flat & Elongated 5:1 Ratio % Maximum ASTM D 4791 Section 8.4
S 9.5 D	100/100	45	50	10

RR 31

GLASS BEADS: (7-18-06)

Revise the *Standard Specifications* as follows:

Page 10-223, 1087-4(C) Gradation & Roundness

Replace the second sentence of the first paragraph with the following:

All Drop-On and Intermixed Glass Beads shall be tested in accordance with ASTM D1155.

Delete the last paragraph.

RR 35

ASPHALT BINDER CONTENT OF ASPHALT PLANT MIXES: (1-1-02)

The approximate asphalt binder content of the asphalt concrete plant mixtures used on this project will be as follows:

Asphalt Concrete Base Course	Type B 25.0__	4.3%
Asphalt Concrete Intermediate Course	Type I 19.0__	4.7%
Asphalt Concrete Surface Course	Type S 4.75A	7.0%
Asphalt Concrete Surface Course	Type SF 9.5A	6.5%
Asphalt Concrete Surface Course	Type S 9.5__	6.0%
Asphalt Concrete Surface Course	Type S 12.5__	5.5%

The actual asphalt binder content will be established during construction by the Engineer within the limits established in the *Standard Specifications*.

RR 43

RESURFACING EXISTING BRIDGES: (7-1-95)

The Contractor's attention is directed to the fact that he will be required to resurface the bridges on this project if directed by the Engineer.

Place the surface so as to follow a grade line set by the Engineer with the minimum thickness as shown on the sketch herein or as directed by the Engineer. State Forces will make all necessary repairs to the bridge floors prior to the time that the Contractor places the proposed surfacing. Give the Engineer at least 15 days notice prior to the expected time to begin operations so that State Forces will have sufficient time to complete their work.

At all bridges that are not to be resurfaced, taper out the proposed resurfacing layer adjacent to the bridges to insure a proper tie-in with the bridge surface.

RR 61

PAVING INTERSECTIONS, DRIVEWAYS, AND MAILBOX TURNOUTS: (7-1-95)

Surface all unpaved intersections back from the edge of the pavement on the mainline of the project at least 50 feet, or as directed by the Engineer. The base material for all intersections to be surfaced will be prepared for surfacing by State Forces. Place pavement in the intersections of the same material and thickness as being used on the mainline.

Surface all paved intersections back to the ends of the radii, or as directed by the Engineer. In addition, the Contractor will be required to resurface all driveway and mailbox turnouts as directed by the Engineer.

RR 73

ASPHALT CONCRETE SURFACE COURSE, TYPE---(Leveling Course): (7-1-95)

Place a leveling course of *Asphalt Concrete Surface Course, Type ___* at locations shown on the sketch maps and as directed by the Engineer. The rate of this leveling course is not established but will be determined by allowing the screed to *drag* the high points of the section. It is anticipated that some map numbers will be leveled from beginning to end while others may only require a leveling course for short sections.

The Asphalt Concrete Surface Course, Type ___ (Leveling Course) shall meet the requirements of Section 610 of the *Standard Specifications* except payment will be made at the contract unit price per ton for *Asphalt Concrete Surface Course, Type ___ (Leveling Course)*.

RR 85

PATCHING EXISTING PAVEMENT (MILL):**Description:**

The Contractor's attention is directed to the fact that there are areas of existing pavement on this project that will require repair prior to resurfacing.

The Contractor shall patch the areas that, in the opinion of the Engineer, need repairing. The areas to be patched will be delineated by the Engineer prior to the Contractor performing repairs.

Construction Methods:

The patching shall consist of Asphalt Concrete Base Course, Asphalt Concrete Intermediate Course, or Asphalt Concrete Surface Course or a combination of base, intermediate and surface course, and milling, as directed by the Engineer.

Patching of existing pavement shall include but not be limited to the milling of the existing pavement in accordance with the typical sections; the removal and disposal of pavement, as approved or directed by the Engineer; the coating of the area to be repaired with a tack coat; and the replacement of the removed material with asphalt plant mix.

Asphalt Concrete Base Course, shall be placed in lifts not exceeding 5½ inches. Compaction equipment suitable for compacting patches as small as 4 feet by 6 feet shall be utilized on each lift. Compaction pattern to achieve proper compaction shall be approved by the Engineer.

The Contractor shall mill the existing pavement at locations directed by the Engineer. The pavement shall be milled in accordance with Section 607 of the Standard Specifications.

The Contractor may be required to make multiple passes with the milling machine to achieve additional depth of the patch at the direction of the Engineer. There will be no additional payment for additional passes as all work will be compensated at the unit price for mill patching. The Contractor will utilize a maximum milling head width of 4 feet unless otherwise allowed by the Engineer.

The Contractor shall schedule his operations so that all areas where pavement has been milled will be repaired on the same day the pavement is milled, and all lanes of traffic shall be restored.

Method of Measurement:

The quantity of patching existing pavement to be paid for will be the actual number of tons of asphalt plant mix, complete in place, which has been used to make completed and accepted repairs. The asphalt plant mixed material will be measured by being weighted in trucks on certified platform scales or other certified weighing devices.

Basis of Payment:

The quantity of the patching existing pavement, measured as provided above, will be paid for at the contract unit price per ton for "Patching Existing Pavement (Mill)".

The above price and payment will be full compensation for all work covered by this provision, including but not limited to milling, removal and disposal of pavement; furnishing and applying tack coat; furnishing, placing, and compacting of asphalt plant mix; furnishing of asphalt binder for the asphalt plant mix; and furnishing scales.

Any provisions included in the contract in the form of project special provisions or in any other form which provide for adjustments in compensation due to variations in the price of asphalt binder will not be applicable to payment for the work covered by this provision.

The item of "Patching Existing Pavement (Mill)" will be considered to be a minor item. In the event that the item of "Patching Existing Pavement" overruns the original bid quantity by more than 100 percent, the provisions of Article 104-5 pertaining to revised contract unit price for overrunning minor items will not apply to this item

RR 09

Payment will be made under:

Patching Existing Pavement (Mill).....Ton

PATCHING EXISTING PAVEMENT (MILL FULL DEPTH):

Description:

The Contractor's attention is directed to the fact that there are areas of existing pavement on this project that will require repair prior to resurfacing.

The Contractor shall patch the areas that, in the opinion of the Engineer, need repairing. The areas to be patched will be delineated by the Engineer prior to the Contractor performing repairs.

Construction Methods:

The patching shall consist of Asphalt Concrete Base Course, Asphalt Concrete Intermediate Course, or Asphalt Concrete Surface Course or a combination of base, intermediate and surface course, and pavement removal, as directed by the Engineer.

Patching of existing pavement shall include but not be limited to the cutting of the existing pavement to a neat vertical joint and uniform line;. the removal and disposal of pavement, base, and subgrade material as approved or directed by the Engineer; the coating of the area to be repaired with a tack coat; and the replacement of the removed material with asphalt plant mix.

Asphalt Concrete Base Course shall be placed in lifts not exceeding 5½ inches. Compaction equipment suitable for compacting patches as small as 4 feet by 6 feet shall be utilized on each lift. Compaction pattern to achieve proper compaction shall be approved by the Engineer

The Contractor shall remove existing pavement at location directed by the Engineer. The pavement shall be removed in accordance with Section 607 of the Standard Specifications.

The Contractor may be required to make multiple passes with the milling machine to achieve additional depth of the patch at the direction of the Engineer. There will be no additional payment for additional passes as all work will be compensated at the unit price for mill patching. The Contractor will utilize a maximum milling head width of 4 feet unless otherwise allowed by the Engineer.

The Contractor shall schedule his operations so that all areas where pavement has been removed will be repaired on the same day of the pavement removal, and all lanes of traffic shall be restored.

Method of Measurement:

The quantity of patching existing pavement to be paid for will be the actual number of tons of asphalt plant mix, complete in place, which has been used to make completed and accepted repairs. The asphalt plant mixed material will be measured by being weighted in trucks on certified platform scales or other certified weighing devices.

Basis of Payment:

The quantity of patching existing pavement, measured as provided above, will be paid for at the contract unit price per ton for "Patching Existing Pavement (Full Depth)".

The above price and payment will be full compensation for all work covered by this provision, including but not limited to removal and disposal of pavement; furnishing and applying tack coat; furnishing, placing, and compacting of asphalt plant mix; furnishing of asphalt binder for the asphalt plant mix; and furnishing scales.

Any provisions included in the contract in the form of project special provisions or in any other form which provide for adjustments in compensation due to variations in the price of asphalt binder will not be applicable to payment for work covered by this provision.

The item of "Patching Existing Pavement (Full Depth)" will be considered to be a minor item. In the event that the item of "Patching Existing Pavement (Full Depth)" overruns the original bid quantity by more than 100 percent, the provisions of Article 104-5 pertaining to revised contract unit price for overrunning minor items will not apply to this item.

RR 09

Payment will be made under:

Patching Existing Pavement (Full Depth).....Ton
Patching Existing Pavement (I19.0 C Full Depth).....Ton

AGGREGATE PRODUCTION: (11-20-01)

Provide aggregate from a producer who utilizes the new Aggregate Quality Control/Quality Assurance Program which is in effect at the time of shipment.

No price adjustment is allowed to contractors or producers who utilize the new program. Participation in the new program does not relieve the producer of the responsibility of complying with all requirements of the Standard Specifications. Copies of this procedure are available upon request from the Materials and Test Unit.

RR 109

CONCRETE BRICK AND BLOCK PRODUCTION: 11-20-01

Provide concrete brick and block from a producer who utilizes the new Solid Concrete Masonry Brick/Unit Quality Control/Quality Assurance Program that is in effect on the date that material is received on the project.

No price adjustment is allowed to contractors or producers who utilize the new program. Participation in the new program does not relieve the producer of the responsibility of complying with all requirements of the Standard Specifications. Copies of this procedure are available upon request from the Materials and Test Unit.

RR 112

REMOVAL OF EXISTING PAVEMENT MARKERS: (7-1-95)

The Contractor's attention is directed to the fact that there are pavement markers on this project.

Remove and dispose of these markers prior to the paving operation.

No direct payment will be made for this work, as it will be incidental to the paving operation and payment at the contract unit price for the various asphalt items in the contract will be full compensation for such work.

RR 118

SEEDING AND MULCHING:

East (S-1)

The kinds of seed and fertilizer, and the rates of application of seed, fertilizer, and limestone, shall be as stated below. During periods of overlapping dates, the kind of seed to be used shall be determined by the Engineer. All rates are in pounds per acre.

All Roadway AreasMarch 1 - August 31

50# Tall Fescue
 10# Centipede
 25# Bermudagrass (hulled)
 500# Fertilizer
 4000# Limestone

September 1 - February 28

50# Tall Fescue
 10# Centipede
 35# Bermudagrass (unhulled)
 500# Fertilizer
 4000# Limestone

Waste and Borrow LocationsJanuary 1 - December 31

75# Tall Fescue	75# Tall Fescue
25# Bermudagrass (hulled)	35# Bermudagrass (unhulled)
500# Fertilizer	500# Fertilizer
4000# Limestone	4000# Limestone

Note: 50# of Bahiagrass may be substituted for either Centipede or Bermudagrass only upon Engineer's request.

Approved Tall Fescue Cultivars

Adventure	Adventure II	Amigo	Anthem
Apache	Apache II	Arid	Austin
Brookstone	Bonanza	Bonanza II	Chapel Hill
Chesapeake	Chieftain	Coronado	Crossfire II
Debutante	Duster	Falcon	Falcon II
Finelawn Petite	Finelawn	Finelawn I	Genesis
Grande	Guardian	Houndog	Jaguar
Jaguar III	Kentucky 31	Kitty Hawk	Monarch
Montauk	Mustang	Olympic	Pacer
Phoenix	Pixie	Pyramid	Rebel
Rebel Jr.	Rebel II	Renegade	Safari
Shenandoah	Tempo	Titan	Tomahawk
Trailblazer	Tribute	Vegas	Wolfpack
Wrangler			

On cut and fill slopes 2:1 or steeper Centipede shall be applied at the rate of 5 pounds per acre and add 20# of Sericea Lespedeza from January 1 - December 31.

Fertilizer shall be 10-20-20 analysis. Upon written approval of the Engineer, a different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as a 10-20-20 analysis.